

# Receiving Report

Date: 14/01/27

Batch No: M128054

Supplier: FU750RNH

Dart P/O: 22692

Packing Slip: Yes ✓ No \_\_\_\_\_  
 Invoice: Yes \_\_\_\_\_ No \_\_\_\_\_  
 Receipt: Cash \_\_\_\_\_ Cr ✓

Release Note Attached: Yes ✓ No \_\_\_\_\_ N/A \_\_\_\_\_  
 Waybill Attached: Yes \_\_\_\_\_ No ✓ N/A \_\_\_\_\_  
 Shipment Complete: Yes ✓ No \_\_\_\_\_ N/A \_\_\_\_\_  
 QC6 Inspection DAS ✓ N/A \_\_\_\_\_  
 Work Order 16 ✓ N/A \_\_\_\_\_  
 9-89 141-128 ✓ N/A \_\_\_\_\_

## Discrepancies

Part Number	Description	Quantity ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 ✓

Production/Admin:

Date 14/01/27

Received/Costing

Initial ✓

Location \_\_\_\_\_

## Purchase Order Receipt Listing

Tuesday, January 28, 2014 2:11:33 PM

All Vendors PO ID po22692 All Receipt Dates All Line Item Types  
 All Item ID/GL/WOs All Employees All Currencies  
 Grouped by Vendor ID

Page 1 of 2

All amounts are calculated in domestic currency.

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID Reference/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
<b>VendorID\Vendor Name</b>										
PO22692	1	VC-COP001	Thyssenkrupp Materials CA Ltd	1/24/2014 1/27/2014		336.0000	\$2.24	0.0000	0	\$752.44
CAD	No		M6061T6S.063 sf	336.0000	DESJ02		\$752.44	0.0000	0	
			6061-T6 .063 Sheet sf							
			m128054							
			M6061T6S.032 sf	1/24/2014 1/27/2014		336.0000	\$1.22	0.0000	0	\$411.34
			6061-T6 Sheet 0.032" sf	336.0000	DESJ02		\$411.34	0.0000	0	
			m128054							
			M6061T6B1.500X10. f	1/24/2014 1/27/2014		36.0000	\$32.35	0.0000	0	\$1,164.50
			000	36.0000	DESJ02		\$1,164.50	0.0000	0	
			6061-T6 Bar f							
			1.500"X10.000"							
			m128054							
			M6061T6B0.750X01. f	1/24/2014 1/27/2014		12.0000	\$2.35	0.0000	0	\$28.21
			000	12.0000	DESJ02		\$28.21	0.0000	0	
			6061-T6 Bar .750 x f							
			1.00							
			m128054							
			M6061T6B2.000X08. f	1/24/2014 1/27/2014		12.0000	\$33.64	0.0000	0	\$403.77
			000	12.0000	DESJ02		\$403.77	0.0000	0	
			6061-T6 BAR 2.00' f							
			X 8.00"							
			m128054							
			M6061T6B2.500X01. f	1/24/2014 1/27/2014		24.0000	\$7.89	0.0000	0	\$189.36
			\$00	24.0000	DESJ02		\$189.36	0.0000	0	
			6061-T6 Bar 2.50 x f							
			1.50							
			m128054							
			M6061T6R0.375 f	1/24/2014 1/27/2014		24.0000	\$1.18	0.0000	0	\$28.21
			6061-T6 Round Bar f	24.0000	DESJ02		\$28.21	0.0000	0	
			.375"							
			m128054							

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID Req	Reference/ Cert Std	PO U/M/ Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
<b>VendorID\Vendor Name</b>											
PO22692	8	VC-COP001	Thyssenkrupp Materials CA Ltd	M6061TTR3.500 6061 RD bar 3.50	f f	1/24/2014 1/27/2014 12.0000 DESJ02	12.0000	\$20.99 \$251.88	0.0000 0.0000	0 0	\$251.88
CAD	No			m128054							
	9	M304S16GA	sf	304.316 Sheet .063	sf	1/24/2014 1/27/2014 200.0000 DESJ02	200.0000	\$3.90 \$780.28	0.0000 0.0000	0 0	\$780.28
	No			m128054							
<b>Total Received Quantity:</b>											
<b>Total Qty to Inspect (PO U/M):</b>											
<b>Total Reject Quantity:</b>											
<b>Total Receipt Value:</b>											
<b>Total Balance Due Quantity:</b>											

## B I L L O F L A D I N G

Ship From:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Ship To: ( 1 )  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7  
 Tel: 613-632-9577 Fax: 613-632-1053

No: PEC 859916  
 Ship Date 23Jan14 at 9:51 From PFW  
 Probill  
 Via TRANSFER VIM  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhicle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115 )  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7

## B I L L O F L A D I N G

1) Our Order PEC-643850- 1 Your PO # 22692  
 ALUMINUM FLT BAR ECONOPLT 6061-T6511  
 1.500" X 10.00" X 144.0000"

Heat Number	Tag No	Quantity	Wt LBS
201400488	255228	36 FT	640

2) Our Order PEC-643850- 2 Your PO # 22692  
 ALUMINUM FLAT BAR 6061-T6511  
 .750" X 1.00" X 144.0000"

Heat Number	Tag No	Quantity	Wt LBS
201324442	255229	12 FT	10

3) Our Order PEC-643850- 3 Your PO # 22692  
 ALUMINUM FLAT BAR 6061-T6511  
 2.00" X 8.00" X 144.0000"

Heat Number	Tag No	Quantity	Wt LBS
Z00052052	255230	12 FT	225

4) Our Order PEC-643850- 4 Your PO # 22692  
 ALUMINUM FLAT BAR 6061-T6511  
 1.50" X 2.50" X 144.0000"

Heat Number	Tag No	Quantity	Wt LBS
Z00635019	255231	24 FT	106

5) Our Order PEC-643850- 5 Your PO # 22692  
 ALUMINUM ROUND BAR 6061-T6511  
 .375" DIA X 144.0000"

Heat Number	Tag No	Quantity	Wt LBS
163810-5	255232	24 FT	4

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

## B I L L O F L A D I N G

No: PEC 859916  
Ship Date 23Jan14 at 9:51 From PFW

Ship From:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Probill  
 Via TRANSFER VIM  
 FOB CONCORD  
 Frt PREPAID  
 Route 0-0 Manifest  
 Vhicle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: (20115)  
 DART AEROSPACE

Ship To: (1)  
 DART AEROSPACE

## B I L L O F L A D I N G

6) Our Order PEC-643850- 6 Your PO # 22692  
 ALUMINUM ROUND BAR 6061-T6511  
 3.50" DIA X 144.0000"

Heat Number Tag No  
 163856-11 255233

Quantity PCS  
 12 FT 1  
 Wt LBS  
 136

7) Our Order PEC-643850- 7 Your PO # 22692  
 STAINLESS STEEL SHEET 304-2B  
 .0600 Nom X 48.0000" X 120.0000"

Heat Number Tag No  
 0501495 254962

Quantity PCS  
 200.00 SFT 5  
 Wt LBS  
 501

TOTAL: Tags PCS  
 7 15  
 LBS  
 1622

Heat Number \*\*\* Chemical Analysis \*\*\*

163810-5  
 163856-11  
 201324442  
 201400488  
 Z00052052  
 Z00635019

ADD ON TO 643846 VIM SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO  
 SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
 TO SHIPPING.

ATTN: CHANTAL/LINDA  
 \*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
 \*\* REFERENCED ON IT \*\*

Page: 2 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.  
 ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
 RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

## B I L L O F L A D I N G

No: PEC 859916  
Ship Date 23Jan14 at 9:51 From PFW

Ship From:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Probill  
 Via TRANSFER VIM  
 FOB CONCORD  
 Frt PREPAID  
 Route 0-0 Manifest  
 Vhcle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE

Ship To: ( 1 )  
 DART AEROSPACE

## B I L L O F L A D I N G

TOTAL 1 BDL 1 SKID GW. 1718 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
 CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

ADDED TO EVERY ORDER.\*\*\*

Page: 3 .... Last

ALUMINIUM - TITANIUM - CUIVRE - PLASTIQUE - ACIER INOX  
 ALUMINUM - BRASS - COPPER - PLASTIC - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

## B I L L O F L A D I N G

No: VIM 417758

Ship From:  
 THYSSENKRUPP MATERIAUX NA  
 4700 BOIS FRANC  
 ST. LAURENT, QC H4S 1A7  
 Tel: 514-337-0161 Fax: 514-745-2968

Ship To: ( 1 )  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7  
 Tel: 613-632-9577 Fax: 613-632-1053

Ship Date 23Jan14 at 17:59 From VFW  
 Probill  
 Via VIM DELIVERY  
 FOB CONCORD  
 Frt PREPAID  
 Route 0-0 Manifest  
 Vhicle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115 )  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7

## B I L L O F L A D I N G

1) Our Order PEC-643846- 1 Your PO # 22692  
 ALUMINUM SHEET 6061 T6

.0640 Nom X 48.0000" X 144.0000"

Heat Number	Tag No
1CRATE REC 469651	248643

Quantity	PCS	Net Wt	Gr LBS
336.00 SFT	7	287	533

TOTAL:	Tags	PCS	Net Wt	Gr LBS
	1	7	287	533

Heat Number  
 469651

## \*\*\* Chemical Analysis \*\*\*

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
 TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

\*\*\*UNE SURCHARGE D'ENERGIE DE \$25.00

SERA AJOUTEE A CHAQUE COMMANDE.\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
 ADDED TO EVERY ORDER.\*\*\*

\*\*\* POUR VOS BESOINS D'ACIER INOXYDABLE,

\*CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600\*

\*\*\* FOR ALL YOUR STAINLESS STEEL NEEDS, CALL US.

\*\*\* WE HAVE IT! \*\*\* TEL. 800-926-2600 \*\*\*

Page: 1 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

## B I L L O F L A D I N G

27

Ship From:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 859970  
 Ship Date 24Jan14 at 13:32 From PFW  
 Probill  
 Via VIM TRANSFER  
 FOB CONCORD  
 Frt PREPAID  
 Route 0-0 Manifest  
 Vhicle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7

Ship To: ( 1 )  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7  
 Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC-643872- 1 Your PO # 22692  
 ALUMINUM SHEET 6061 T6

.0320 Nom X 48.0000" X 144.0000"

Heat Number Tag No  
 652154A6 255430

Quantity	PCS	Wt LBS
336.00 SFT	7	152
TOTAL:		LBS
Tags 1	PCS 7	152

MTR'S

ADD ON TO 643846 VIM SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO  
 SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
 TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

TOTAL 1 SKID GW. 332 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
 CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

Page: 1 ....Continued

1 crate R-131 MB ✓

ALUMINIUM - LAITON - CUIVRE - PLASTIQUE - ACIER INOX  
 ALUMINUM - BRASS - COPPER - PLASTIC - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L   O F   L A D I N G

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: ( 1 )  
DART AEROSPACE

No: PEC 859970  
Ship Date 24Jan14 at 13:32 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115 )  
DART AEROSPACE

B I L L   O F   L A D I N G

ADDED TO EVERY ORDER.\*\*\*

Page: 2 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FIFT BAR ECONOLIT 6061-T6511  
1.500" X 10.00" X 144.000"

PART NO.



## Service Center Metals

5850 Quality Way  
Prince George, VA 23875

PO/Ref 22692

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

Signed by: \_\_\_\_\_

Certificate of Mill Test Results  
BL PEC-859916-001  
23Jan14  
Pg 1/1

Can Do.

BILL TO

ThyssenKrupp Materials NA

SHIP TO

ThyssenKrupp Materials NA, Toronto

Quantity Certified

1,058 lbs

5 pcs

CUSTOMER PART NUMBER

PEC-254847

ALLOY / TEMPER

6061-T6511E

SALESPERSON

David Schroeder

DESCRIPTION

PL 0744

PL 1.500 x 10.000

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA.

### Mechanical Properties

Tests

Lot No.

1

201400488

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1/9/14	min 50.20	max 50.20	min 46.70
	max 46.70	min 46.70	max 13.15
	min 46.70	max 46.70	min 13.15
	max 46.70	min 46.70	max 13.15

1/9/14

min 50.20

max 50.20

min 46.70

max 46.70

min 46.70

max 46.70

min 13.15

max 13.15

### Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others	Total	Melt Source
1013201	6061	0.74	0.37	0.33	0.11	0.88	0.11	0.07	0.02	97.37	0.05	0.15	United States of America	

Print Date: 1/13/2014

Calvin J. Windius, Director of Quality & Technical Services

PAGE 223/11 - URG

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T6 B 1.5 + 10.0 / M128054  
 RECEIVED BY: Line Deyarder  
 DATE: Jan 27<sup>th</sup>, 2014  
 P/O# 22692  
 QUANTITY ORDERED: 36.0'  
 THICKNESS ORDERED: 10.0" + 1.50"  
 SHEET SIZE: 1

MATERIAL CERT RECEIVED yes  
 QUANTITY RECEIVED: 10.0665 FT 36.0' Q. 360.  
 THICKNESS RECEIVED: 10.060 x 1.511  
 SHEET SIZE RECEIVED: 1

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
INCORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
INCORRECT GRAIN DIRECTION	Y <u>N</u>	
INCORRECT MATERIAL	Y <u>N</u>	
INCORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	AMS-QQA-20018
CORRECT REF # TO LINK CERT	Y <u>N</u>	201400488
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	6061 T6 B 1.50 x 10.0"
CORRECT M# ON THE MATERIAL	Y <u>N</u>	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	14/01/28
	6061 T6	10.0 x 2.0 x 1.5	150	150	

testers located in the Quality Office

60 HRB

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>16</u>	BY: _____
DATE: <u>9-89 14/01/28</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

THYSSENKRUPP MATERIALS NA  
 DART AEROSPACE  
 ALUMINUM FLAT BAR 6061-T6511  
 750" X 1.00" X 144.0000"  
 PART NO.

PO/Ref 22692  
 We certify that this is a true copy of the report  
 furnished by the producer of the metal or data  
 resulting from tests made in approved labs.

Certificate of Mill Test Results  
 BL PEC-859916-002  
 23Jan14  
 Pg 1/1  
 23Jan14



**Service Center Metals**

5850 Quality Way  
 Prince George, VA 23875

**Can Do.**

**BILL TO**  
 ThyssenKrupp Materials NA  
 5850 Quality Way  
 Prince George, VA 23875  
**SHIP TO**  
 ThyssenKrupp Materials NA, Toronto  
 1000 Lakeshore Road  
 Mississauga, Ontario  
 L4Z 1C7  
**Quantity Certified** 254 lbs 24 pcs  
**CUSTOMER ID** PEC-253791  
**CUSTOMER PART NUMBER** RB0111  
**DESCRIPTION** SCRB 750x1.000

**We hereby certify** that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.  
 SCM extrusions are manufactured in the USA.

**Mechanical Properties**

Items produced and certified as 6061-T6511  
 also meet the requirements of 6061-T6

**Test Date** 12/2/13  
**Strength (KSI)** **Ultimate Tensile Strength (KSI)** **Yield Strength (KSI)** **Percent Elongation**

	min	max	min	max	min	max
3	48.50	51.50	45.50	48.50	16.30	17.20

3  
 201324442

✓  
 12/2/13

**Chemical Composition for Aluminum Alloy 6061**

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others	Total	Melt Source
112435	6061	0.74	0.35	0.32	0.10	0.89	0.09	0.07	0.02	97.42	0.05	0.15	United States of America	

Print Date: 12/3/2013

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T63, 75 ± 1.00" / M128054  
 RECEIVED BY: Line Degrader  
 DATE: Jan 27, 2014  
 P/O#: 22692  
 QUANTITY ORDERED: 12.01  
 THICKNESS ORDERED: 0.750 ± 1.00  
 SHEET SIZE: —

MATERIAL CERT RECEIVED yes  
 QUANTITY RECEIVED: 0.998 ± 0.750  
 THICKNESS RECEIVED: 0.998 ± 0.750  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
INCORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
INCORRECT GRAIN DIRECTION	Y <u>N</u>	
INCORRECT MATERIAL	Y <u>N</u>	
INCORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	AMS-QQA-200/8
CORRECT REF # TO LINK CERT	Y <u>N</u>	2013Z444Z
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	6061 T6 B, 750 ± 1.00
CORRECT M# ON THE MATERIAL	Y <u>N</u>	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	S 14/01/28
		58 HRB			

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>S</u> DATE: <u>14/01/28</u>	BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
2.00" X 8.00" X 144.0000"  
PART NO.

PO/Rel 22692

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-859916-003

23Jan14

Pg 1/1

Signed by: \_\_\_\_\_

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

*Bettina Gutz*

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:			
PEC-254212-1		ALREC00124		2.000 X 8.000 PRECISION WIDE BAR			
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:		
656139	001	12/03/2013	Z00052052	6061	T6511B		
WEIGHT SHIPPED:	QUANTITY	B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:		
903.000 LB	4.000 PCS	607680			12.000 FT		
SHIP TO:			SOLD TO:				
THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA				

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00052052	0001	1	54.3	50.8	15.1	RF. 95	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
103252	.76	.29	.29	.10	.95	.09	.04	.03	.00	.00	.00	.01	.03

### Applicable Requirements:

PER ASTM-B221-13, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 (REAF 2012)  
UNIS# A96061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM  
MECHANICAL PROPERTIES AS FOLLOWS: UTS - 42.0 KSI MIN YIELD - 38.0 KSI MIN ELONGATION  
= 10.0% MIN

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY  
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

#### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been  
inspected and tested and found in conformance with applicable specifications forming a part of the  
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on  
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Timothy K. Fargo, Quality & Technology Manager

*Timothy K. Fargo*

Plant Serial: 00114889

Kaiser Order Number: 656139

Line Item: 001

Page 1 of 1

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061T6 B 2.0 + 8.0 /M128054  
 RECEIVED BY: Line Desgarden  
 DATE: Jan 27<sup>th</sup>, 2014  
 P/O# 22692.  
 QUANTITY ORDERED: 20 - 20 12.01  
 THICKNESS ORDERED: 2.0 + 8.00  
 SHEET SIZE: 121 (1 PC)  
 MATERIAL CERT RECEIVED X  
 QUANTITY RECEIVED: 121 (1 PC)  
 THICKNESS RECEIVED: 8.00 x 1.999  
 SHEET SIZE RECEIVED: 121

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
INCORRECT FINISH	Y <u>(N)</u>	
CORROSION	Y <u>(N)</u>	
INCORRECT GRAIN DIRECTION	Y <u>(N)</u>	
INCORRECT MATERIAL	Y <u>(N)</u>	
INCORRECT THICKNESS	Y <u>(N)</u>	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT MATERIAL	Y <u>N</u>	AMS-QQ-A-200/8. 2000S2052.
CORRECT REF # TO LINK CERT	Y <u>N</u>	
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	AM128054 6061T6B2.0 x 8.0 M128054
CORRECT M# ON THE MATERIAL	Y <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D
	63 HRC			

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>S</u> DATE: <u>14/01/18</u>	BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
1.50" x 2.50" X 144.0000"  
PART NO.

PO/Rel 22692

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-859916-004

23Jan14

Pg 1/1

Signed by: \_\_\_\_\_

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

*Brett Bahr*

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:		
PEC-254435-4		020398-4		1.500 X 2.500 SC RECT BAR		
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:	
656743	004	12/13/2013	Z00635019	6061	T6511	
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:	
529.000 LB	10.000 PCS	607776			12.000 FT	
SHIP TO:		SOLD TO:				
THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA				

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	VTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00635019	0001	1	51.1	48.6	16.0	RE 93	N/A	N/A
Z00635019	0001	2	50.4	47.5	18.0	RE 93	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
103271	.74	.23	.27	.10	.91	.10	.00	.02	.00	.00	.00	.01	.03

### Applicable Requirements:

ASTM-B221-13 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 97 (REAF 2012) UNS#A96061  
(T6511 also conforms to T6-not applicable to other tempers)

*5  
14Oct13*

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY  
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

#### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been  
inspected and tested and found in conformance with applicable specifications forming a part of the  
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on  
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Timothy K. Fargo, Quality & Technology Manager

*Timothy K. Fargo*

Plant Serial: 00116249

Kaiser Order Number: 656743

Line Item: 004

Page 1 of 1

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061T6B 2.50 x ~~150~~<sup>150</sup> /M128054  
RECEIVED BY: *Line Supervisor*  
DATE: *Jan 87<sup>th</sup>, 2014*  
P/O# *22692*  
QUANTITY ORDERED: *24.01*  
THICKNESS ORDERED: *2.50 +/- .50*  
SHEET SIZE: *—*

MATERIAL CERT RECEIVED *841 (10)*  
QUANTITY RECEIVED: *2.497 + 1.498 = 24.0 (2 PCS)*  
THICKNESS RECEIVED: *2.497 + 1.498*  
SHEET SIZE RECEIVED: *—*

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
INCORRECT FINISH	Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N	
INCORRECT MATERIAL	Y <input checked="" type="checkbox"/> N	
INCORRECT THICKNESS	Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N	ANS - QA - A - 200/8
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N	Z06635019
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N	6061T6 B 2.50 +/- .50
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D
		61 HRB		

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <i>14/01/18</i>	BY: DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE  
ALUMINUM ROUND BAR 6061-T6511  
.375" DIA X 144.0000'  
PART NO.

PO/Ref 22692  
We certify that this is a true copy of the report  
furnished by the producer of the metal or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-859916-005

23Jan14  
Pg 1/1

## EXTRUDEX

ALUMINUM

### MILL TEST ASTM B221-12

BILL TO	THYSSENKRUPP MATERIALS,NA.		
SHIP TO	THYSSENKRUPP MATERIALS,NA.		
ISO DESCRIPTION	375" DIA		
146167			
Part Code:	1	Due Number	DATE OF SHIPMENT
Customer PO	0.36	S 2333	11/26/2013
Customer Part Number	PEC-253884	Alloy	SALESMAN
	(6061)	T651	FORBES DODWELL
			PART DESCRIPTION
			CERTIFICATION
			MILL TEST ASTM B221-12

### Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Nov/26/13	43.7	38.9	20.20	89.0, 88.5, 88.8	

### Chemical Composition

Chemical	Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	Y	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11	2BV557	0.61	0.17	0.21	0.03	0.88	0.07	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale  
Quality Control Manager

1 - CUSTOMER COPY

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T6 B. 375 / M128054  
 RECEIVED BY: Mike DeSardan  
 DATE: Jan 27<sup>th</sup>, 2014  
 P/O# 22692  
 QUANTITY ORDERED: 24'  
 THICKNESS ORDERED: .0375  
 SHEET SIZE: —

MATERIAL CERT RECEIVED YES  
 QUANTITY RECEIVED: .0375 24.0' (2 ps)  
 THICKNESS RECEIVED: .0375  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
INCORRECT FINISH	Y <u>(N)</u>	
CORROSION	Y <u>(N)</u>	
INCORRECT GRAIN DIRECTION	Y <u>(N)</u>	
INCORRECT MATERIAL	Y <u>(N)</u>	
INCORRECT THICKNESS	Y <u>(N)</u>	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT MATERIAL	Y <u>N</u>	ASTM B 224-12
CORRECT REF # TO LINK CERT	Y <u>N</u>	163810-5
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	6061 T6 B. 375
CORRECT M# ON THE MATERIAL	Y <u>N</u>	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D
		59HRB		

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>S</u> DATE: <u>14/01/28</u>	BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511  
3.50" DIA X 144.0000"  
PART NO.

PO/Ref 22692

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by: \_\_\_\_\_

## Certificate of Mill Test Results

BL PHC-859916-006

23Jan14

Pg 1/1

## EXTRUDEX

ALUMINUM

### MILL TEST ASTM B221-12

JOZ

TEL: (416)745-4444 FAX:(416)745-0925 1-800-668-7210  
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4  
http://www.extrudex.com

BILL TO		CERT CODE:		DIE NUMBER		DATE OF SHIPMENT		EXTRUDEX ORDER NO.		MANIFEST NO.	
THYSSENKRUPP MATERIALS NA	1773	1	0.36	S	6874		12/5/2013	163856	— 11	299612	
SHIP TO		CUSTOMER PO		ALLOY	TEMPER	SALESMAN					
THYSSENKRUPP MATERIALS NA		PEC-253917		6061	16511	FORBES DODWELL					
SO DESCRIPTION		CUSTOMER PART NUMBER		PART DESCRIPTION		CERTIFICATION					
3.5" DIA		4-3500				MILL TEST ASTM B221-12					

### Mechanical Properties

Lot	Allow	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Dec/03/13	48.4	46.2	11.10	92.0, 91.7, 91.9	

### Chemical Composition

Chemical	Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Tl	Ge	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11	22830	0.56	0.19	0.185	0.059	0.83	0.044	0.00	0.007	0.011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Navale  
Quality Control Manager

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T6 B 3.50 / M128054  
 RECEIVED BY: hine Designers  
 DATE: Jan 27th, 2014  
 P/O#: 22692  
 QUANTITY ORDERED: 12.0'  
 THICKNESS ORDERED: 3.50"  
 SHEET SIZE: 1  
 MATERIAL CERT RECEIVED yes  
 QUANTITY RECEIVED: 12.0'  
 THICKNESS RECEIVED: 3.50"  
 SHEET SIZE RECEIVED: 1

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
INCORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
INCORRECT GRAIN DIRECTION	Y <u>N</u>	
INCORRECT MATERIAL	Y <u>N</u>	
INCORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	ASTM B221 163856-11
CORRECT REF # TO LINK CERT	Y <u>N</u>	
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	6061T6 B 3.50" M128054
CORRECT M# ON THE MATERIAL	Y <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D
		66.5HRB		
testers located in the Quality Office				

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>S</u>	BY: _____
DATE: <u>14/01/28</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET, 304-12B  
.0600 Nom X 48.0000" X 120.0000"  
PART NO.

PO/Ref 22692

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by: \_\_\_\_\_

## Certificate of Mill Test Results

BL PEC-859916-007

23Jun14  
Pg 1/1

### ThyssenKrupp Mexinox

A company  
of ThyssenKrupp  
Stainless

(COPY / COPIA 02)

#### TEST REPORT (CERTIFICADO)

CUSTOMER (CLIENTE)

MEXINOX USA

#### PRODUCT IDENTIFICATION IDENTIFICACION DEL PRODUCTO

ITEM No.	COL. NO. No. DE ROLLO	PIECES PIEZAS	HEAT COLEADA No. 0501495	TYPE AND FINISH TIPO Y ACABADO	DIMENSIONS DIMENSIONES		GROSS WT. PESO BRUTO	NET WT. PESO NETO
					in mm	lb kg		
1	659965 AEEA	1		304 / 2B UNS S30400	48.00 X 1219.20 X ROLLO	0.0508 X 1.520	18.007 8.168	17.906 8.122

#### CHEMICAL COMPOSITION COMPOSICION QUIMICA (%)

#### OTHER ELEMENTS (OTROS ELEMENTOS)

#### MECHANICAL PROPERTIES PROPIEDADES MECANICAS

ITEM No.	TEST NO. No. MUESTRA	D TENSILE R TENSION R FLUENCIA	YIELD S. ALARGAMIENTO %	ELONGATION %	HARDNESS DUREZA HRB	
1	A891506 A891505	L 91373-05i 630 MPa	39505 psi 273 MPa	59.4	(HEAD / TAIL) 810, 81.0	

THIS MATERIAL IS DYNAR 225-872-1 CLASS 5000 COMPLIANT. HEAT SOURCE: ITALY

TEST OF INTERGRANULAR CORROSION / PRUEBA DE CORROSION INTERGRANULAR : OK  
THIS MATERIAL COMPLIES WITH CHEMICAL COMPOSITION ACCORDING TO ASTM A 240/A 240S-10b STD. NOM. AND IT COMPLIES ALSO WITH  
THEIR MECHANICAL AND CHEMICAL PROPERTIES ESTABLISHED IN THE FOLLOWING STDS: :  
MECHANICAL PROP. ASTM A66-03 NEM 5A240-07, QQ-S-766-D, MIL-S-5055-D,  
AMS 5513J,

THIS MATERIAL COMPLIES WITH THE CHEMICAL COMPOSITION OF 304 / 304L

\* THIS MATERIAL IS FREE OF MERCURY CONTAMINATION\*

④ We hereby certify that in recognition of the terms and conditions set forth in  
the EU Rolls Directive 2007/95/EC, we can insure that all of our products and  
processes fully comply with it. We can insure that all of our products and

ELABORATED BY  
Ricardo Reñeta Reñeta

PRINTED: 13:15:27 JUL-18-11  
FORMATING: 46 (W: 142mm)



HECHO EN MEXICO / MADE IN MEXICO

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 304-218 0.060" MR128054  
 RECEIVED BY: Lin Dangrodin  
 DATE: Jan 27<sup>th</sup>, 2014  
 P/O#: 22662  
 QUANTITY ORDERED: 200 sqf  
 THICKNESS ORDERED: 0.062 (16ga)  
 SHEET SIZE: 4' x 10'

MATERIAL CERT RECEIVED YES  
 QUANTITY RECEIVED: 200 sqf (5 PCS)  
 THICKNESS RECEIVED: 0.061  
 SHEET SIZE RECEIVED: 4' x 10' sheet

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
INCORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
INCORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
INCORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM A240
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	0501495
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	M304 S 0.062
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

34.5HRC

S  
19/01/28

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>D</u> DATE: <u>14/01/28</u>	BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



THYSSENKRUPP MATERIALS NA

## Certificate of Mill Test Results

BL PEC-417758-001

Pg 2/3

卷之三

PART NO.

**P/O/ReL**  
We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Athen:

**CERTIFIED INSPECTION REPORT**

1569545	9	Ship From:	RIVERDALE, IA.
Ship Date	B.L. No.	Invoice No.	Alcoa No.
2013-07-05	807758	00000	Item 1000494146-1
P.O. No./Cont. Contract No.	Customer: Alcoa Item		
5400144045	Cub	601118775802	

Terrence Thom

Page 2 of 3

CQR: 0242987.2 - Specification limits (cont.)

Chemical Composition									
	Si	Fe	Cu	Mn	Mo	Cr	Zn	Ti	Ba
Max	0.8	0.7	0.40	0.15	1.3	0.35	0.25	0.15	0.15
Min	0.40	0.35	0.15	0.05	0.8	0.3	0.05	0.05	0.05
lot: 469851	Mechanical, Physical, Metallography, Quantometer Results								
Temp:	No. 2								
T <sub>6</sub>	Dir	UTS TYS ECA							
Long Transv.	Test	KSI	KSI	KSI	PCF				
	10	51.5	43.8	13					

# THYSSENKRUPP MATERIALS NA

## Certificate of Mill Test Results

BL PEC-417758-001

Pg 3/3

PORel

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by: \_\_\_\_\_  
Attn: \_\_\_\_\_

PART NO.

### CERTIFIED INSPECTION REPORT

We hereby certify that the material covered by this certificate has been inspected with due care and attention, including any special new forming or new application, and that it has been determined that the material is in accordance with the specification given on the face of this sheet. This test report shall not be reproduced except in full without the written approval of the Quality Department. No alterations or other changes in authorized to be made to this certificate. The manufacturer, Alcoa Inc., shall not be liable for any statements or claims on this certificate by any person, may be purveyed as a copy under any circumstances.

*Patel*

Patel Patel  
Rob Woodell  
Director of Manufacturing/Quality Manager

*Terence Flanagan*

Terence Flanagan  
Quality Assurance Manager

Alcoa Inc.		DAVENPORT WORKS		4879 State Street Bettendorf, IA 52722		Ship From:	RIVERDALE, IA.		
1469545	0	BL No.	Invoice No.	Alcoa No. Icim	2013-07-05	8077588	00000	1000414146-1	DP-94146-1
Ship Date					P.O. No./Govt Contract No.				
					C&B				
						GU41118775R02			

Page 3 of 3

Lot: 477146      - Mechanical, Physical, Metallurgy, Quantometer Results (cont.)  
Cast Number      Chemical - OES SI FE CU Mn Mg Cr Zn Ti  
19166011      Actuals 0.65 0.4 0.24 0.05 0.9 0.15 0.07 0.02

This material was melted in the United States or a Qualifying Country (Ref DARS 225.872.1(a)); it was manufactured in the United States

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 S.063 / M128054  
 RECEIVED BY: Line Desgarden  
 DATE: JAN 27<sup>th</sup> 2014  
 P/O# 22692  
 QUANTITY ORDERED: 336 sq'  
 THICKNESS ORDERED: 0.063  
 SHEET SIZE: 4'x12'

MATERIAL CERT RECEIVED ✓ Yes (Jan 28<sup>th</sup>, 2014)  
 QUANTITY RECEIVED: 336 sq' (7 Pcs)  
 THICKNESS RECEIVED: 0.063  
 SHEET SIZE RECEIVED: 4'x12'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
INCORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
INCORRECT GRAIN DIRECTION	Y <u>N</u>	
INCORRECT MATERIAL	Y <u>N</u>	
INCORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	AMS-QQ-A-250/11
CORRECT REF # TO LINK CERT	Y <u>N</u>	469651
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	M6061T6 S.063
CORRECT M# ON THE MATERIAL	Y <u>N</u>	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	S 14/01/2014

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>S</u>	BY: _____
DATE: <u>14/01/2014</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 S.037 M 128054  
 RECEIVED BY: Line Designer  
 DATE: Jan 27<sup>th</sup>, 2014  
 P/O# 22692  
 QUANTITY ORDERED: 336 SF<sup>2</sup>  
 THICKNESS ORDERED: 0.032"  
 SHEET SIZE: 4' x 12'

MATERIAL CERT RECEIVED YES  
 QUANTITY RECEIVED: 7 Pcs @ 336 SF<sup>2</sup>  
 THICKNESS RECEIVED: 0.032  
 SHEET SIZE RECEIVED: 4' x 12'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
INCORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
INCORRECT GRAIN DIRECTION	Y <u>N</u>	
INCORRECT MATERIAL	Y <u>N</u>	
INCORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	
CORRECT REF # TO LINK CERT	Y <u>N</u>	652154A6
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	M6061 T6 S.032
CORRECT M# ON THE MATERIAL	Y <u>N</u>	M 128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D
	54.5 HRS			

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14/01/28</u> DATE: <u>14/01/28</u>	BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

*Beth in  
 Bellingham*

**CERTIFIED TEST REPORT**

<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
 Trentwood Works  
 Spokane, WA 99215-5108  
 (800) 367-2586

CUSTOMER PO NUMBER:		WORK PACKAGE:	CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:	
5400198100-10			ALFLR01643		HT Flat Sheet	
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	ALLOY:	CLAD:	TEMPER:	
1160927	1	10/28/2013	6061	BARE	T6	
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	GAUGE:	WIDTH:	LENGTH:	
14385 LB	660 PCS EST.	2044687	0.0320 IN	48.000 IN	144.000 IN	
SHIP TO:		SOLD TO:				
COPPER & BRASS SALES 905 CARLOW DRIVE UNIT D BOLINGBROOK, IL 60490 US		COPPER & BRASS SALES ATTN: ACCOUNTS PAYABLE P.O. Box 5116 SOUTHFIELD, MI 48086 US				

MHU 1720932: LOT 652154A6: 175 pieces  
 MHU 1720985: LOT 652154A6: 175 pieces  
 MHU 1725918: LOT 652058A9: 175 pieces  
 MHU 1726016: LOT 652058A9: 135 pieces

**Certified Specifications**

AMS 4027/RevN ASME SB-209/Rev2010 ASTM B 209/Rev10

Test Code: 1511

LOT: 652058A9 CAST: 021 DROP: 55 INGOT: 2

Melted in USA  
 (ASTM E8/B557)  
 (EN 2002-1)  
 Tensile: Temper Dir/#Tests Ultimate KSI (MPA) Yield KSI (MPA) Elongation %  
 T6 LT / 02 (Min:Max) 46.6 : 47.4 40.3 : 40.7 11.4 : 12.3  
 (321 : 327) (278 : 281)

(ASTM E1251)  
 Chemistry: SI FE CU MN MG CR ZN TI V ZR OTHER  
 Actual 0.75 0.5 0.32 0.06 1.1 0.19 0.09 0.02 0.01 0.00 TOT 0.05

LOT: 652154A6 CAST: 021 DROP: 40 INGOT: 1

Melted in USA  
 (ASTM E8/B557)  
 (EN 2002-1)  
 Tensile: Temper Dir/#Tests Ultimate KSI (MPA) Yield KSI (MPA) Elongation %  
 T6 LT / 02 (Min:Max) 48.2 : 48.7 40.4 : 41.6 12.3 : 13.1  
 (332 : 336) (279 : 287)

(ASTM E1251)  
 Chemistry: SI FE CU MN MG CR ZN TI V ZR OTHER  
 Actual 0.74 0.5 0.33 0.06 1.1 0.19 0.08 0.02 0.01 0.00 TOT 0.05

Plant Serial: 4313803  
 Kaiser Order Number: 1160927  
 Line Item: 1

Page 1 of 2

From: ThyssenKrupp Materials NA  
 Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402923669  
 CstAr CstOr 255241  
 Wgt.: 151.732 LB Date 01/21/2014

*John H. Zumbroff*



Beth in  
Beth

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
6061	MIN	0.40	0.0	0.15	0.00	0.8	0.04	0.00	0.00	0.00	MAX 0.05
	MAX	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	TOT 0.15
	Aluminum Remainder										

### Miscellaneous Notes

6061 sheet or plate certified to AMS 4025, AMS 4026, or AMS 4027 also meets applicable requirements of AMS-QQ-A-250/11, Rev. A.

#### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser) hereby certifies that metal shipped under this order was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content. This material has been inspected, tested and found in conformance with the requirements of the applicable specifications as indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. All metal which is solution heat treated complies with AMS 2772. Any warranty is limited to that shown on Kaiser's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of Kaiser Aluminum Fabricated Products, LLC laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law. ISO-9001:2000 certified.

JAMES HEMENWAY, LABORATORIES SUPERVISOR

Plant Serial: 4313803

Kaiser Order Number: 1160927

Line Item: 1

Page 2 of 2

From: ThyssenKrupp Materials NA  
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402923669  
CstAr CstOr 255241  
Wgt.: 151.732 LB Date 01/21/2014

**COPPER AND BRASS SALES**  
**MATERIAL TYPE**  
**ALUMINIUM ALLOYS**  
**PRODUCT DESIGNATION**

**1100 1350 3003 3004 3105 5005 5083 5086 5182 5454 6061 6063**

**"WARNING"**

SMALL CHIPS, FINE TURNINGS AND DUST MAY IGNITE READILY. EXPLOSIONPOTENTIAL MAY BE PRESENT WHEN:DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUMARE IN CONTACT WITH CERTAINMETAL OXIDES; OR, CHIPS, FINES, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE. KEEP AWAY FROM IGNITION SOURCE. USE EXPLOSION- PROOF VENTILATION. KEEP MATERIAL DRY.

INHALING LARGE AMOUNTS OF COPPER, MAGNESIUM OXIDE, MANGANESE OXIDE, AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS. CHRONIC OVEREXPOUSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN; AND SKIN,TEETH,AND HAIR DISCOLORATION. CHRONIC OVEREXPOUSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE,SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES.TARGET ORGAN IS PRIMARILY THE LUNG,BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER.CHRONIC OVEREXPOUSURE TO TIN DUST OR IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS.CHRONIC OVEREXPOUSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS.

THIS PRODUCT ALSO CONTAINS LEAD AND CHROMIUM COMPOUNDS.LEAD IS KNOWN TO CAUSE REPRODUCTIVE TOXICITY AND IS A KNOWN CARCINOGEN.EXPOSURE TO CHROMIUM DUST OR FUME MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND KIDNEY AND LIVER DAMAGE.UNDER HIGH TEMPERATURES,HEXAVALENT CHROMIUM MAY BE PRODUCED,IF INTHE INSOLUBLE FORM,IT IS A CONFIRMED HUMAN CARCINOGEN. (CALIFORNIA PROPOSITION 65). IF COATED WITH OIL,MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT. WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.READ THE ALUMINUM/ALUMINUM ALLOYS MATERIAL SAFETY DATA SHEET(MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

\* If processing or recycling produces particulate,use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding,grinding,abrasive sawing,sanding and polishing.Any activity which abrades the surface of this material can generate airborne particulate.Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

\* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.

\* Aluminum, in solid form and as contained in finished products presents no special health risk.

\* Sold for manufacturing purposes only.This product can be recycled; contact your sales representative.

The Occupational Safety and Health Administration require employers to provide training in the proper use of this product.

For additional information, call or write to Copper and Brass Sales,22355 West Eleven Mile Road, Southfield, MI 48033,telephone248-233-5600, or visit our web site @ [www.copperandbrass.com](http://www.copperandbrass.com).

ISSUED 10/01/2008

ALUMINUM LABEL NO.300-1088



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO22692**

Purchase Order Date 1/20/2014  
PO Print Date 1/20/2014

Page Number 1 of 4

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**  
Fax 1/10/21

**Contact Name**  
**Vendor Phone** 905 669 9444  
  
**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** VENDOR'S TRUCK  
**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA - (Free Carrier)

*mb8054*

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6S.063	6061-T6 .063 Sheet	1/24/2014 Yes 1/24/2014	336.00	sf	\$2.38	\$800.30
2	M6061T6S.032	6061-T6 Sheet 0.032"	1/24/2014 Yes 1/24/2014	336.00	sf	\$1.30	\$437.50

MATERIAL: 6061-T6/T62 ALUMINUM SHEET  
AS PER QQ-A-250/11 OR AMS-QQ-A-250/11  
OR AMS 4025 OR AMS 4027 OR ASTM B209

**Line Total:** \$800.30

MATERIAL: 6061-T6/T62 ALUMINUM SHEET  
AS PER QQ-A-250/11 OR AMS-QQ-A-250/11  
OR AMS 4025 OR AMS 4027 OR ASTM B209

**Line Total:** \$437.50

**Note:**



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO22692**

Purchase Order Date 1/20/2014

PO Print Date 1/20/2014

Page Number 2 of 4

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

<b>Contact Name</b>		<b>Buyer</b>	Chantal Lavoie
<b>Vendor Phone</b>	905 669 9444	<b>Customer POID</b>	
<b>Ship To Contact</b>		<b>Customer Tax #</b>	10127-2607
<b>Ship To Phone</b>		<b>Terms</b>	Net 30
<b>Ship Via:</b>	VENDOR'S TRUCK	<b>Currency</b>	CAD
<b>Ship Acct:</b>		<b>FOB</b>	FCA - (Free Carrier)

3	M6061T6B1.500X10.000	6061-T6 Bar 1.500"X10.000"	1/24/2014	36.00	<i>V</i>	\$34.40	\$1,238.57
			Yes		<i>f</i>		
			1/24/2014				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-A/200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

**Line Total:** \$1,238.57

4	M6061T6B0.750X01.000	6061-T6 Bar .750 x 1.00	1/24/2014	12.00	<i>V</i>	\$2.50	\$30.00
			Yes		<i>f</i>		
			1/24/2014				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-A/200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

*1/24/2014*

**Line Total:** \$30.00

**Note:**



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO22692**

Purchase Order Date 1/20/2014  
PO Print Date 1/20/2014

Page Number 3 of 4

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Buyer** Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 30

**Currency** CAD

**FOB** FCA - (Free Carrier)

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

5	M6061T6B2.000X08.000	6061-T6 BAR 2.00' X 8.00"	1/24/2014	12.00	<i>✓</i>	\$35.78	\$429.40
			No	f			
			1/24/2014				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-A/200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

**Line Total:** \$429.40

6	M6061T6B2.500X01.500	6061-T6 Bar 2.50 x 1.50	1/24/2014	24.00	<i>✓</i>	\$8.39	\$201.40
			Yes	f			
			1/24/2014				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-A/200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

**Line Total:** \$201.40

7	M6061T6R0.375	6061-T6 Round Bar .375"	1/24/2014	24.00	<i>✓</i>	\$1.25	\$30.00
			Yes	f			
			1/24/2014				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-2008 OPR AMS-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

*1/24/2014*

**Note:**

1/20/2014



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO22692**

Purchase Order Date 1/20/2014

PO Print Date 1/20/2014

Page Number 4 of 4

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 905 669 9444

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA - (Free Carrier)

**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** VENDOR'S TRUCK  
**Ship Acct:**

					<b>Line Total:</b>	
8	M6061T6R3.500	6061 RD bar 3.50	1/24/2014	0.00	\$0.00	\$0.00
			Yes	f		
			1/24/2014			
		MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-2008 OPR AMS-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221				
9	M6061T6R3.500	6061 RD bar 3.50	1/24/2014	12.00	\$22.33	\$267.90
			Yes	f		
			1/24/2014			
					<b>Line Total:</b>	\$267.90
9	M304S16GA	304/316 Sheet .063	1/24/2014	200.00	\$4.15	\$829.91
			Yes	sf		
			1/24/2014			
		MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240				
					<b>Line Total:</b>	\$829.91
					<b>PO Total:</b>	\$4,264.98

**Note:** Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.  
No substitution or deviation without consent.

Certificate of Conformity or Material Certification required  YES  NO  
PST# 6122-5207

Change Nbr: 1 Change Date: 1/20/2014